Job No.: CTCE/BBMP/W.No.03/JTG/CSR-1/730d/CEMENT/2014-15 Date: 10.01.2015

TEST REPORT ON CEMENT

* CUSTOMER	:	**Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
*AGENCY	:	**Mr. Jayanth T Gowda,** #52, 2nd Floor, 3rd Main, Basaveshwaranagara, Bangalore.
*NAME OF THE WORK	:	Improvements of drains in Santhosh Nagara 1st and 2nd cross roads in Attur Ward No.03, BBMP, Bangalore.
*REFERENCE	:	BBMP/AEE/YNSD/35/2014-15 Dated: 09.01.2015
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	09.01.2015
PERIOD OF TESTING	:	09.01.2015 to 10.01.2015

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	155 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	485 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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VISHWANATH .C
Quality Manager

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Job No.: CTCE/BBMP/W.No.03/JTG/CSR-1/730d/SAND-Gradation/2014-15 : 10.01.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Jayanth T Gowda,** #52, 2nd Floor, 3rd Main, Basaveshwaranagara, Bangalore.
* Name of Work	: Improvements of drains in Santhosh Nagara 1st and 2nd cross roads in Attur Ward No.03, BBMP, Bangalore.
Reference	: BBMP/AEE/YNSD/35/2014-15 Dated: 09.01.2015
Technical Reference	: IS : 2386 Part 1 - 1963 RA-2007
Sample ID	: Fine Aggregates
Sample Received on	: 09.01.2015
Date of Testing	: 10.01.2015

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	93.50	90-100	90-100	90-100	95-100
2.36	72.50	60-95	75-100	85-100	95-100
1.18	46.70	30-70	55-90	75-100	90-100
600 Micron	20.70	15-34	35-59	60-79	80-100
300 Micron	8.20	5-20	8-30	12-40	15-50
150 Micron	3.20	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

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Job No.: CTCE/BBMP/W.No.03/JTG/CSR-1/730d/AGG/GR/2014-15 : 10.01.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Jayanth T Gowda,** #52, 2nd Floor, 3rd Main, Basaveshwaranagara, Bangalore.
* Name of Work	: Improvements of drains in Santhosh Nagara 1st and 2nd cross roads in Amur Ward No.03, BBMP, Bangalore.
Reference	: BBMP/AEE/YNSD/35/2014-15 Dated: 09.01.2015
Technical Reference	: IS : 2386 Part 1 -1963 RA-2007
Sample ID	: Coarse Aggregates (40mm)
Sample Received on	: 09.01.2015
Date of Testing	: 10.01.2015

Total Wt. of Aggregates in gms= **10000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.15	95-100	85-100
20	43.65	30-70	0-20
10	19.15	10-35	0-5
4.75	3.90	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

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Job No : CTCE/BBMP/W.No.03/JTG/CSR.1/730d/AGG/GR/2015-16 : 10.01.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Jayanth T Gowda,** #52, 2nd Floor, 3rd Main, Basaveshwaranagara, Bangalore.
* Name of Work	: Improvements of drains in Santhosh Nagara 1st and 2nd cross roads in Attur Ward No.03, BBMP, Bangalore.
* Reference	: BBMP/AEE/YNSD/35/2014-15 Dated: 09.01.2015
Technical Reference	: IS : 2386 Part 1 -1963 RA 2007
Sample ID	: Coarse Aggregates (20mm)
Sample Received on	: 09.01.2015
Date of Testing	: 10.01.2015

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS :383-1970 (RA- 2007)	
		Graded	Single Sized
40	100	100	100
20	97.60	95-100	85-100
10	30.60	25-55	0-20
4.75	6.60	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

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Job No.: CTCE/BBMP/W.No.03/JTG/CSR-1/730d/CUBE/2014-15 13.02.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Jayanth T Gowda,** #52, 2nd Floor, 3rd Main, Basaveshwaranagara, Bangalore.
* Name of the work	: Improvements of drains in Santhosh Nagara 1st and 2nd cross roads in Amur Ward No.03, BBMP, Bangalore.
* Reference	: BBMP/AEE/YNSD/35/2014-15 Dated: 09.01.2015
* Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day
Sample Received on	: 13.02.2015

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.01.2015	13.02.2015	8.198	475.5	21.13
2	16.01.2015	13.02.2015	8.260	492.3	21.88
3	16.01.2015	13.02.2015	8.385	506.3	22.50

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Job No.: CTCE/BBMP/W.No.03/JTG/CSR-1/730d/CUBE/2014-15 11.02.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Jayanth T Gowda,** #52, 2nd Floor, 3rd Main, Basaveshwaranagara, Bangalore.
* Name of the work	: Improvements of drains in Santhosh Nagara 1st and 2nd cross roads in Attur Ward No.03, BBMP, Bangalore.
* Reference	: BBMP/AEE/YNSD/35/2014-15 Dated: 09.01.2015
* Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day
Sample Received on	: 11.02.2015

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.01.2015	11.02.2015	8.139	478.3	21.26
2	14.01.2015	11.02.2015	8.256	495.6	22.03
3	14.01.2015	11.02.2015	8.310	512.3	22.77

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